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- (71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [US/US]; 2 Independence Way, Suite 2, Princeton, NJ 08540 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GEORGE, John, Barrett [US/US]; 11408 Lakeshore Drive, Carmel, IN 46033 (US).
- (74) Agents: TRIPOLI, Joseph, S. et al.; Thomson Licensing Inc., 2 Independence Way, Suite 2, Princeton, NJ 08540 (US).

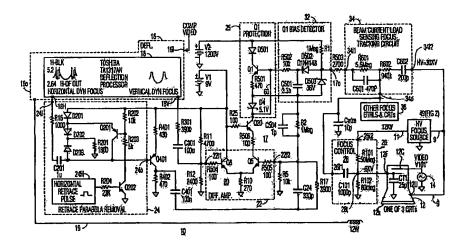
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(54) Title: FOCUS VOLTAGE AMPLIFIER



(57) Abstract: A dynamic focus amplifier for generating a dynamic focus voltage for a focus electrode of a cathode ray tube at a capacitive load includes a source of a periodic signal at a horizontal deflection frequency. A pull-down transistor is responsive to the periodic signal and coupled to the capacitive load for producing, in accordance with the periodic signal, a first portion of the dynamic focus voltage that decreases, during a first portion of a period of the periodic signal. A storage capacitor is coupled to the capacitive load for replenishing a charge stored in the storage capacitor from a charge stored in the capacitive load to develop a control voltage in the storage capacitor. A pull-up transistor is responsive to the control voltage and coupled to a source of a high voltage and to the capacitive load for producing from the high voltage a current that is coupled to the capacitive load. The current develops a second portion of the dynamic focus voltage that increases, during a second portion of the periodic signal, and stores the charge in the capacitive load.



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P.O. Box 1450 Alexandria, Virginia 22313-1450